

Peng Ge

List of Publications by Year in descending order

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57
papers

3,510
citations

182225

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169272

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docs citations

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times ranked

4288
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Flexible polytriphenylamine-based cathodes with reinforced energy-storage capacity for high-performance sodium-ion batteries. <i>Science China Materials</i> , 2022, 65, 32-42. | 3.5 | 4 |
| 2 | Engineering metal-sulfides with cations-tunable metal-oxides electrocatalysts with promoted catalytic conversion for robust ions-storage capability. <i>Energy Storage Materials</i> , 2022, 45, 1183-1200. | 9.5 | 26 |
| 3 | Natural mineral compounds in energy-storage systems: Development, challenges, prospects. <i>Energy Storage Materials</i> , 2022, 45, 442-464. | 9.5 | 20 |
| 4 | Tailoring MS ₂ Quantum Dots (M = Co, Ni, Cu, Zn) for Advanced Energy Storage Materials with Strong Interfacial Engineering. <i>Small</i> , 2022, 18, e2106593. | 5.2 | 8 |
| 5 | Engineering hierarchical Sb ₂ S ₃ /N-C from natural minerals with stable phase-change towards all-climate energy storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5488-5504. | 5.2 | 12 |
| 6 | Coal-Based Electrodes for Energy Storage Systems: Development, Challenges, and Prospects. <i>ACS Applied Energy Materials</i> , 2022, 5, 7874-7888. | 2.5 | 5 |
| 7 | Rational Design of Nature Molybdenite with La ₂ O ₃ Catalysts for Improved Energy Storage Behaviors. <i>Advanced Materials Interfaces</i> , 2022, 9, . | 1.9 | 1 |
| 8 | Advances on Nickel-Based Electrode Materials for Secondary Battery Systems: A Review. <i>ACS Applied Energy Materials</i> , 2022, 5, 9189-9213. | 2.5 | 9 |
| 9 | Rare earth metal La-doped induced electrochemical evolution of LiV ₃ O ₈ with an oxygen vacancy toward a high energy-storage capacity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1845-1858. | 5.2 | 27 |
| 10 | Designing Rational Interfacial Bonds for Hierarchical Mineral-Type Trogtalite with Double Carbon towards Ultra-Fast Sodium Ions Storage Properties. <i>Advanced Functional Materials</i> , 2021, 31, 2100156. | 7.8 | 31 |
| 11 | Unraveling the Mechanism of Chalcopyrite's Superior Performance for Lithium Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 5086-5093. | 2.5 | 8 |
| 12 | Tailoring Oxygen Site Defects of Vanadium-Based Materials through Bromine Anion Doping for Advanced Energy Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 10783-10798. | 2.5 | 4 |
| 13 | Modified bornite materials with high electrochemical performance for sodium and lithium storage. <i>Energy Storage Materials</i> , 2021, 40, 150-158. | 9.5 | 13 |
| 14 | Engineering the morphology/porosity of oxygen-doped carbon for sulfur host as lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2021, 60, 531-545. | 7.1 | 38 |
| 15 | Recent Advances of Catalytic Effects in Cathode Materials for Room-Temperature Sodium-Sulfur Batteries. <i>ChemPlusChem</i> , 2021, 86, 1461-1471. | 1.3 | 6 |
| 16 | Engineering Heterogeneous NiS ₂ /NiS Cocatalysts with Progressive Electron Transfer from Planar Si Photocathodes for Solar Hydrogen Evolution. <i>Small Methods</i> , 2021, 5, e2001018. | 4.6 | 18 |
| 17 | Self-Assembly of NaOL-DDA Mixtures in Aqueous Solution: A Molecular Dynamics Simulation Study. <i>Molecules</i> , 2021, 26, 7117. | 1.7 | 2 |
| 18 | Advanced MoSe ₂ /Carbon Electrodes in Li/Na Ions Batteries. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901651. | 1.9 | 57 |

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|----|--|------|-----------|
| 19 | Graphitic Carbon Quantum Dots Modified Nickel Cobalt Sulfide as Cathode Materials for Alkaline Aqueous Batteries. <i>Nano-Micro Letters</i> , 2020, 12, 16. | 14.4 | 114 |
| 20 | Microstructured Sulfur-Doped Carbon-Coated Fe ₇ S ₈ Composite for High-Performance Lithium and Sodium Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11783-11794. | 3.2 | 38 |
| 21 | Designing interfacial chemical bonds towards advanced metal-based energy-storage/conversion materials. <i>Energy Storage Materials</i> , 2020, 32, 477-496. | 9.5 | 46 |
| 22 | Engineering metal sulfides with hierarchical interfaces for advanced sodium-ion storage systems. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5284-5297. | 5.2 | 42 |
| 23 | Interfacial Bonding of Metal-Sulfides with Double Carbon for Improving Reversibility of Advanced Alkali-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1910599. | 7.8 | 65 |
| 24 | Doped-Li _{1+x} V ₃ O ₈ as cathode materials for lithium-ion batteries: A mini review. <i>Electrochemistry Communications</i> , 2020, 115, 106722. | 2.3 | 20 |
| 25 | Carbon nanosheets from biomass waste: insights into the role of a controlled pore structure for energy storage. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3552-3565. | 2.5 | 15 |
| 26 | The advance of nickel-cobalt-sulfide as ultra-fast/high sodium storage materials: The influences of morphology structure, phase evolution and interface property. <i>Energy Storage Materials</i> , 2019, 16, 267-280. | 9.5 | 107 |
| 27 | Carbon quantum dot micelles tailored hollow carbon anode for fast potassium and sodium storage. <i>Nano Energy</i> , 2019, 65, 104038. | 8.2 | 250 |
| 28 | Bi ₂ MoO ₆ Microsphere with Double-Polyaniline Layers toward Ultrastable Lithium Energy Storage by Reinforced Structure. <i>Inorganic Chemistry</i> , 2019, 58, 6410-6421. | 1.9 | 26 |
| 29 | Yolk-Shell-Structured Bismuth@N-Doped Carbon Anode for Lithium-Ion Battery with High Volumetric Capacity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10829-10840. | 4.0 | 132 |
| 30 | Hierarchical Hollow Microsphere Metal-Selenide@Carbon Composites with Rational Surface Engineering for Advanced Sodium Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803035. | 10.2 | 234 |
| 31 | Ultrafast Sodium Full Batteries Derived from X ₂ Fe (X = Co, Ni, Mn) Prussian Blue Analogs. <i>Advanced Materials</i> , 2019, 31, e1806092. | 11.1 | 132 |
| 32 | Electrochemically Exfoliated Phosphorene-Graphene Hybrid for Sodium-Ion Batteries. <i>Small Methods</i> , 2019, 3, 1800328. | 4.6 | 66 |
| 33 | Anions induced evolution of Co ₃ X ₄ (X = O, S, Se) as sodium-ion anodes: The influences of electronic structure, morphology, electrochemical property. <i>Nano Energy</i> , 2018, 48, 617-629. | 8.2 | 227 |
| 34 | Three-Dimensional Hierarchical Framework Assembled by Cobblestone-Like CoSe ₂ @C Nanospheres for Ultrastable Sodium-Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14716-14726. | 4.0 | 116 |
| 35 | Binding MoSe ₂ with carbon constrained in carbonous nanosphere towards high-capacity and ultrafast Li/Na-ion storage. <i>Energy Storage Materials</i> , 2018, 12, 310-323. | 9.5 | 196 |
| 36 | N-rich carbon coated CoSnO ₃ derived from <i>in situ</i> construction of a Co-MOF with enhanced sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4839-4847. | 5.2 | 84 |

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|----|---|-----|-----------|
| 37 | Electrochemical Investigation of Natural Ore Molybdenite (MoS_2) as a First-Hand Anode for Lithium Storages. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6378-6389. | 4.0 | 52 |
| 38 | Dual Functions of Potassium Antimony(III) Tartrate in Tuning Antimony/Carbon Composites for Long-Life Na-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1705744. | 7.8 | 42 |
| 39 | Multidimensional Evolution of Carbon Structures Underpinned by Temperature-Induced Intermediate of Chloride for Sodium-Ion Batteries. <i>Advanced Science</i> , 2018, 5, 1800080. | 5.6 | 112 |
| 40 | Enhanced stability of sodium storage exhibited by carbon coated Sb_2S_3 hollow spheres. <i>Materials Chemistry and Physics</i> , 2018, 203, 185-192. | 2.0 | 61 |
| 41 | Metal-Organic Framework-Derived Materials for Sodium Energy Storage. <i>Small</i> , 2018, 14, 1702648. | 5.2 | 129 |
| 42 | Molecular-Level CuS@S Hybrid Nanosheets Constructed by Mineral Chemistry for Energy Storage Systems. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43669-43681. | 4.0 | 32 |
| 43 | Engineering 1D chain-like architecture with conducting polymer towards ultra-fast and high-capacity energy storage by reinforced pseudo-capacitance. <i>Nano Energy</i> , 2018, 54, 26-38. | 8.2 | 74 |
| 44 | Perovskite ABO_3 -Type MOF-Derived Carbon Decorated Fe_3O_4 with Enhanced Lithium Storage Performance. <i>ChemElectroChem</i> , 2018, 5, 3426-3436. | 1.7 | 9 |
| 45 | Size-Tunable Natural Mineral-Molybdenite for Lithium-Ion Batteries Toward: Enhanced Storage Capacity and Quicken Ions Transferring. <i>Frontiers in Chemistry</i> , 2018, 6, 389. | 1.8 | 19 |
| 46 | Fe_2O_3 embedded in the nitrogen-doped carbon matrix with strong C-O-Fe oxygen-bridge bonds for enhanced sodium storages. <i>Materials Chemistry and Physics</i> , 2018, 216, 58-63. | 2.0 | 29 |
| 47 | Stabilization of LiV_3O_8 Rod-Like Structure by Protective $\text{Mg}_3(\text{PO}_4)_2$ Layer for Advanced Lithium Storage Cathodes. <i>Energy Technology</i> , 2018, 6, 2479-2487. | 1.8 | 13 |
| 48 | Tailoring Rod-Like FeSe_2 Coated with Nitrogen-Doped Carbon for High-Performance Sodium Storage. <i>Advanced Functional Materials</i> , 2018, 28, 1801765. | 7.8 | 287 |
| 49 | High-rate sodium ion anodes assisted by N-doped carbon sheets. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1130-1136. | 2.5 | 23 |
| 50 | Hollow-sphere ZnSe wrapped around carbon particles as a cycle-stable and high-rate anode material for reversible Li-ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 6693-6699. | 1.4 | 40 |
| 51 | The electrochemical exploration of double carbon-wrapped $\text{Na}_3\text{V}_2(\text{PO}_4)_3$: Towards long-time cycling and superior rate sodium-ion battery cathode. <i>Journal of Power Sources</i> , 2017, 366, 249-258. | 4.0 | 72 |
| 52 | Synergistic effect of cross-linked carbon nanosheet frameworks and Sb on the enhancement of sodium storage performances. <i>New Journal of Chemistry</i> , 2017, 41, 13724-13731. | 1.4 | 12 |
| 53 | 3D hollow porous carbon microspheres derived from Mn-MOFs and their electrochemical behavior for sodium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23550-23558. | 5.2 | 69 |
| 54 | Rodlike Sb_2Se_3 Wrapped with Carbon: The Exploring of Electrochemical Properties in Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34979-34989. | 4.0 | 100 |

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|----|--|-----|-----------|
| 55 | Antimony Anchored with Nitrogen-Doping Porous Carbon as a High-Performance Anode Material for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 26118-26125. | 4.0 | 55 |
| 56 | Preparation of S/N-codoped carbon nanosheets with tunable interlayer distance for high-rate sodium-ion batteries. Green Chemistry, 2017, 19, 4622-4632. | 4.6 | 81 |
| 57 | Designing Strong Interface of Cubic-like Sn-Co-S@carbon with SnO ₂ as Catalyst for Enhanced Li/Na-ion Storage Abilities. Advanced Materials Interfaces, 0, , 2102474. | 1.9 | 0 |